



*Office of Laboratory Licensure,
Certification & Training*

3443 N Central Avenue, Suite 810
Phoenix, Arizona 85012
(602) 255-3454
(602) 255-1070 FAX
Technical Support Hot-Line 1-800-592-0374

Jane Dee Hull, Governor
James R. Allen, MD, MPH, Director

Information Update

**January 23, 1998
Update # 41**

1. EPA methods 420.1 and 420.2 for the analysis of total phenols were approved by the Director of the Arizona Department of Health Services (ADHS) on January 9, 1998 and the Arizona licensed laboratories can now use these methods for the compliance testing of total phenols in waste water. These methods had been inadvertently removed from the current Arizona Environmental Laboratory Licensure Rules dated July 11, 1997.
2. Arizona consensus method, C₆ - C₃₂ Hydrocarbons in Soil - 8015AZ, dated 01/05/98, Revision - 0, was approved by the Director of the ADHS on January 12, 1998 and the Arizona licensed laboratories can now apply for use of this method for the compliance testing of hydrocarbons in soil samples.

A copy of this method can soon be downloaded from the ADHS Lab Licensure [Technical Training](http://www.azdhs.gov/lab/license/infoup.htm) web page at www.azdhs.gov/lab/license/infoup.htm. A copy of the method can also be obtained by sending a request via fax to (602) 255-1070, to the attention of Training. Please include the following information in the fax; name of the person requesting a copy, laboratory name and the mailing address. If you have any questions on this method please call Prabha Acharya at (602) 255-3454.

NOTE: Section 8.7 in 8015AZ refers to a quotation # 144312 for the Retention Time Verification Standard if purchased from Supelco. That quotation number has since been changed to 20003375. Supelco will cross reference the two numbers.

8015AZ replaces 418.1AZ for compliance testing of hydrocarbons in soil in Arizona. Arizona Department of Environmental Quality (ADEQ) has assigned a transition period of up to March 31, 1998 for the implementation of this new method. During this transitional period, ADEQ will accept both 418.1AZ and 8015AZ methods for the compliance testing of hydrocarbons in soil. After March 31, 1998, ADEQ will no longer accept 418.1AZ for compliance testing of hydrocarbons in soil.

3. In order to get certified for 8015AZ by the Arizona Laboratory Licensure, the following steps must be followed:
 - a. Standard Operating Procedure (SOP) must be written.
 - b. Reporting Limit Verification Study must be completed (Section 12.14; 8015AZ, 01/05/98, Revision - 0).

- c. An initial blind third party Proficiency Evaluation (PE) Study must be completed. Custom soils for both 8015AZ C₆ - C₃₂ (Direct Inject) as well as 8015AZ gasoline (for Purge and Trap) are available. If PE sample for only gasoline is requested and is satisfactorily completed, the certification for only gasoline is issued. If the certification for both C₆ - C₃₂ (Direct Inject) and gasoline (Purge and Trap) is desired, both C₆ - C₃₂ and gasoline PE samples must be satisfactorily completed.

The protocol to complete a blind PE sample is as follows:

- i. Call Environmental Research Associates at (800) 372-0122.
- ii. Order blind PE sample(s):
Catalog Number 093AZ: Custom soils, Method 8015AZ, C₆ - C₃₂; Catalog Number 093AZ: Custom soils, Method 8015AZ, gasoline for P/T

ERA will be ready to ship the PE samples to the laboratory during the first week of February. In order to assist ERA in the preparation of the custom PE sample(s), we have enclosed a survey for you to complete and return to us by 1/30/98. You must order PE samples directly from ERA.

- iii. Analyze the sample(s) and send results to ERA by 3/11/98. **Results received after this date will be invalidated.**

For C₆ - C₃₂ sample, individual C₆ - C₁₀, C₁₀ - C₂₂, C₂₂ - C₃₂ and as well as the total C₆ - C₃₂ values must be reported.

Send results to ERA. Instructions will be included with the sample.

- iv. Licensure staff will inform you if your PE results were acceptable.
- d. Enclose a check to the Office of Arizona Department of Health Services for \$69.00 along with a request for certification.
- e. All the data must be available for the Consultant's review, if requested.
- f. If you choose not to participate in the study at this time, you may choose to get certified at a later date. The PE samples might cost you more.
4. Arizona NELAC Summit meeting was held on January 22, 1998 at Casa Grande, Arizona. The agenda included History and Overview of NELAC, Understanding the NELAC Standards, The Impact of NELAC to Small Laboratories. It was held in conjunction with the quarterly Arizona Environmental Laboratory Advisory Committee (ELAC) Meeting. Both ELAC and NELAC meetings were open to the public. Arizona has to send in the application by January 31, 1998, to become an Accrediting Authority for NELAC if Arizona wishes to become a NELAC State at this time. In order to assist ADHS in the decision making if Arizona should become a NELAC state at this time or should wait for a future date, we have enclosed an opinion survey to be completed by you. Please take some time and complete the survey. If you would like to learn more about NELAC, it can be accessed on the Internet at the

following address: <http://134.67.104.12/html/nelac/nelac.htm#NL02>

5. We would like to thank those of you who recently attended our workshops on Data Evaluation and Analyst Training held on January 13 and 14 respectively at the Francisco Grande Resort in Casa Grande, AZ. The feed back that we have received so far from the participants indicates that the Data Evaluation seminar was good, but some believed it was possibly too basic. They had expected a more in depth training in that area. We are planning on having a more detailed workshop on that topic in the near future. The Analyst Training seminar was received more favorably, but again some comments were received that certain parts of the presentation were not applicable to the participants. In order to attract suitable participants to the future workshops, we will do in depth research in advance and provide the necessary recommendations as to the technical levels of the presentations. If you have any suggestions on what you would like to see included in the future workshops, please contact the Technical Resources and Training Section at (602) 255-3454 or fax us at (602) 255-1070.
6. If you have any questions regarding the Updates, or if you have any technical questions that need clarification, please call or send [e-mail](#) to Prabha Acharya, Program Manager, Technical Resources and Training at the Laboratory Licensure. A [table of contents](#) to all the Information Updates published is also available.

Permission to quote from or reproduce materials from this publication is granted when due acknowledgment is made.

This message is available in alternative format by contacting Wesley Press at (602) 542-0357
The [Arizona Department of Health Services](#) does not discriminate on the basis of disability in administration of its programs and services as prescribed by Title II of the Americans with Disability Act of 1990 and Section 504 of the Rehabilitation Act of 1973.